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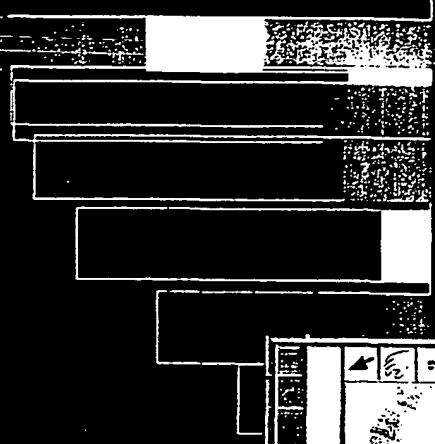
TOOTH TRACES OF THREE CONES



- Heel Insert
 - ☒ True Cutter
 - Off-Gage Insert
- Cutting Work Incl. of Teeth

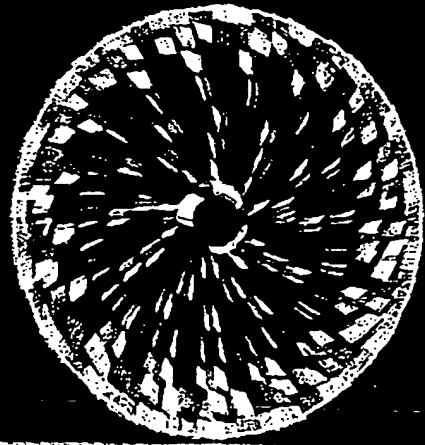
Bottom Hole Coverage Bar Chart

- Cone 1
- Cone 2
- Cone 3



TOOTH TRACES OF CONE ONE

Press ESC to Show Other Things...



Crater pattern w/o tooth rotation



Crater pattern w/ tooth rotation

File Options Optimize

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bit type-- 15md
 RPM--200r/m
 rock type-- rock_c

Press ESC to show other things...

☐ Contacting Teeth Crater
☐ Brittle Breakage Crater
☐ Sum of Contacting Teeth

4 row 1
 4 row 2
 4 row 3
 4 row 4
 4 row 5

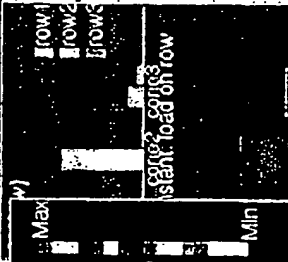
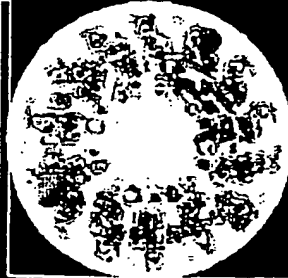
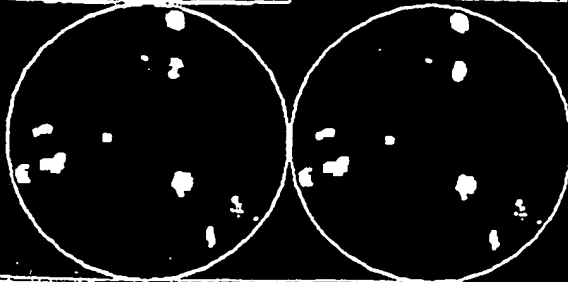
100% cones
 Fig Instant load on row

100% cones
 Fig Instant load on cone

100% cones
 Fig Instant load on cone

System Analysis & Optim.
 Drill Bit Engineering
 Smith Tool, Houston, TX, USA
 May, 1996, V1.0

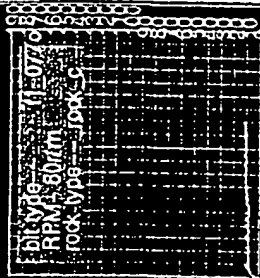
Copyright (c) 1980 Smith International, Inc.



ROW1
ROW2
ROW3

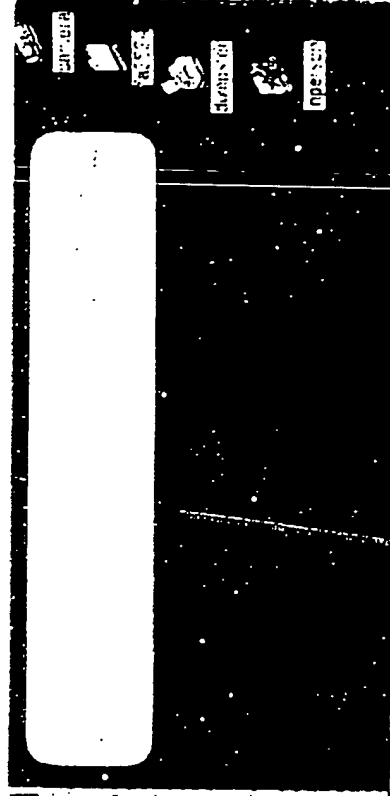
Start: load on row

zone 1 zone 2 zone 3
Pg2. Instant load on zone



Display: 800m
RPM: 800m
Rock type: 1000C

Press any key to continue...

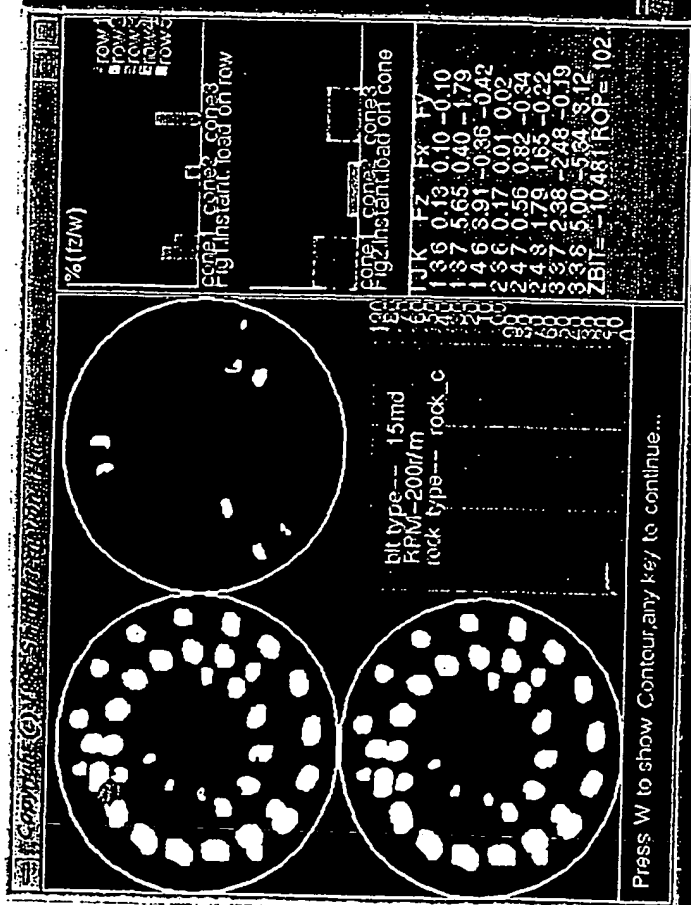


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File Options Optimize



Row Roly R

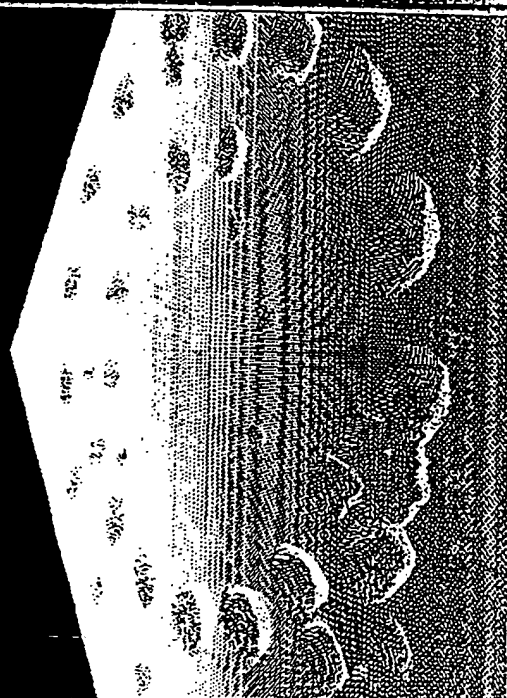
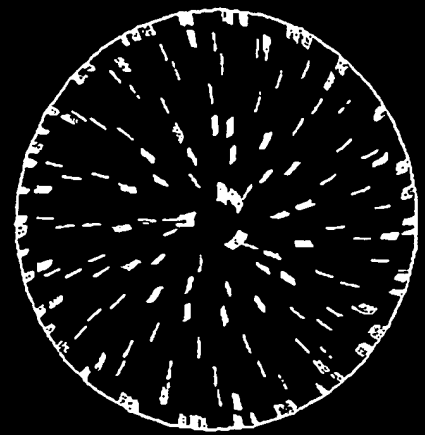
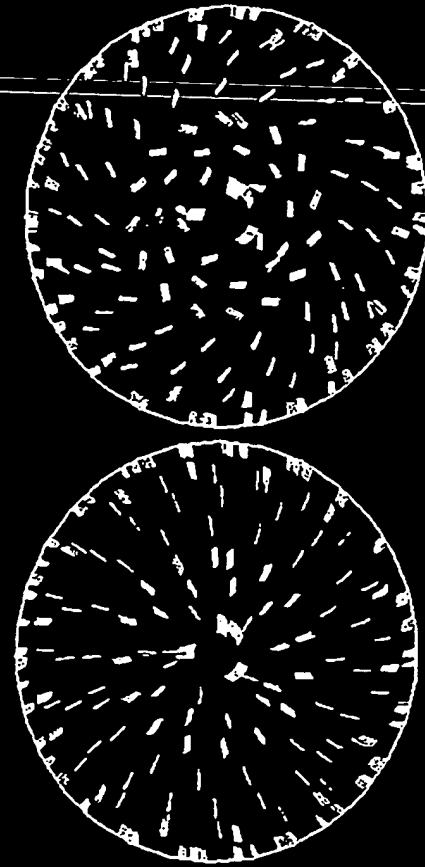
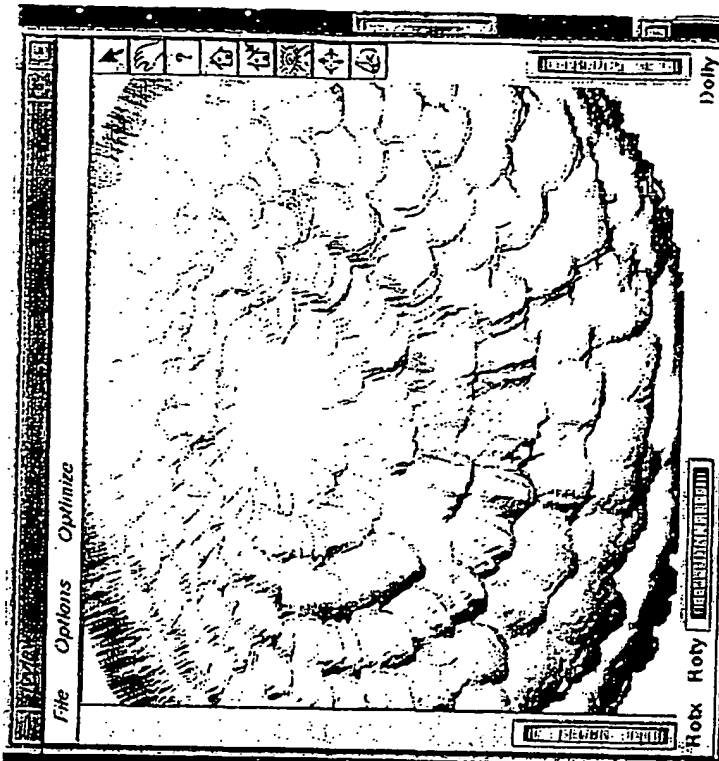


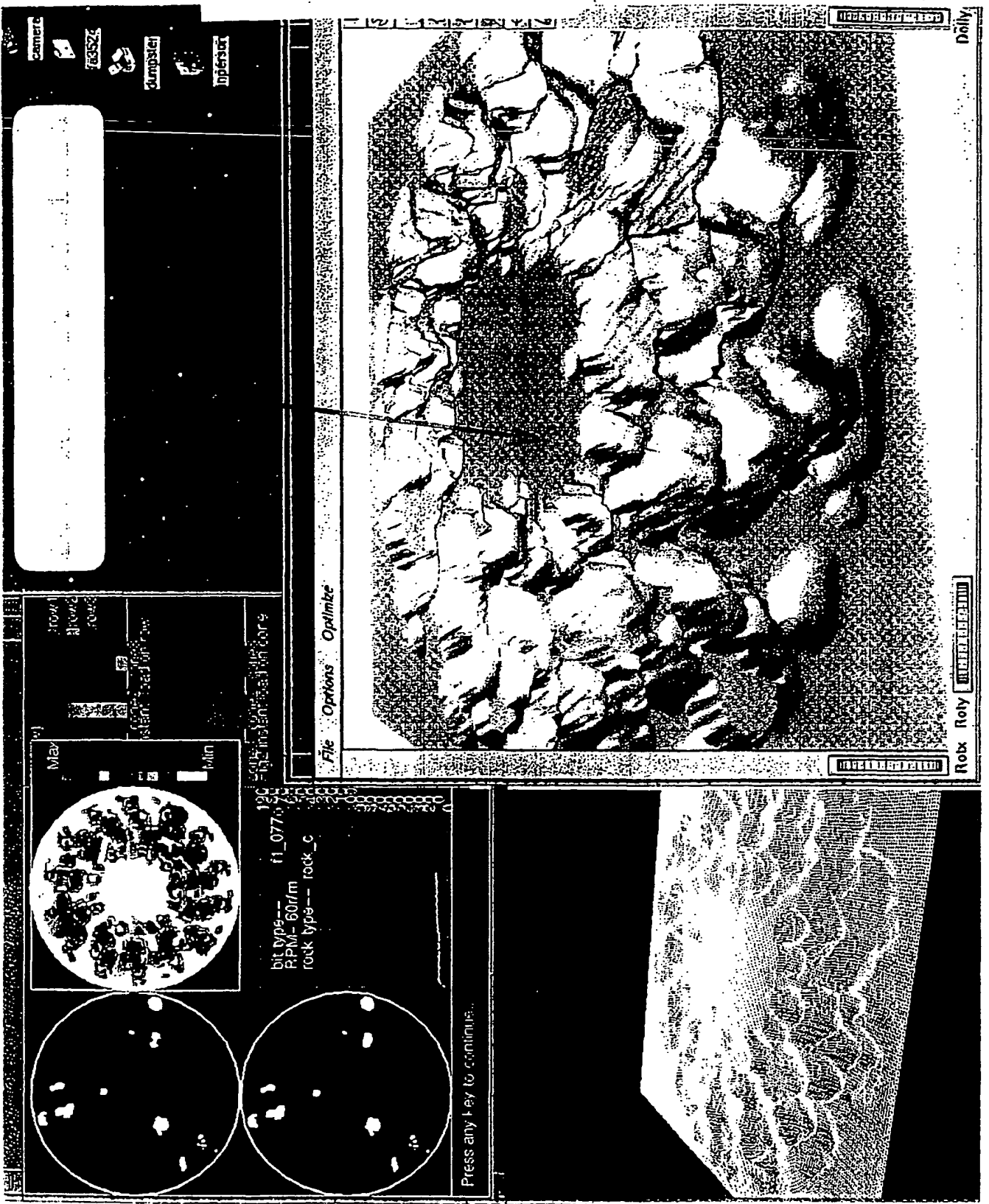
Component	%T/W
cement	33
coarse aggregate	33
fine aggregate	17
sand	10
water	9

cone, cone; cone;
-192. Instant load on cone

blt type-- 15md
KPM-200r/m
rock type-- rock c


Press W to show Contour, any key to continue...





Max

Min



ROW1

ROW2

ROW3

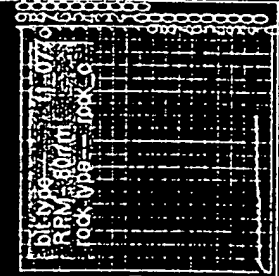
Instant Load on Row

cone1

cone2

cone3

Fig. Instant Load on Cone




Rock Type

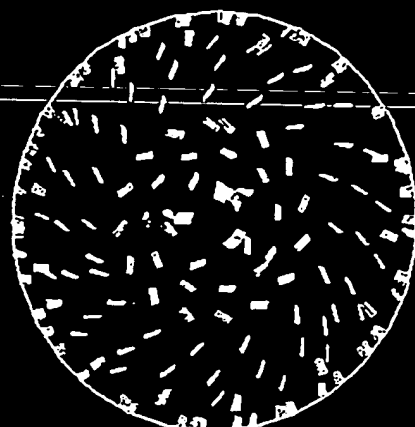
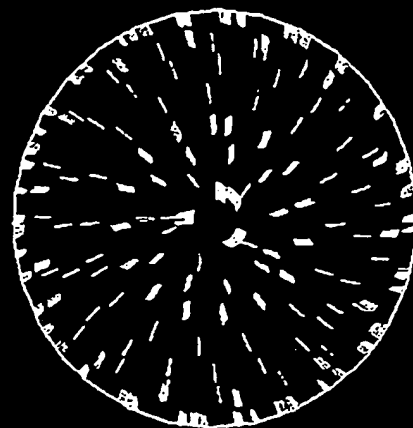
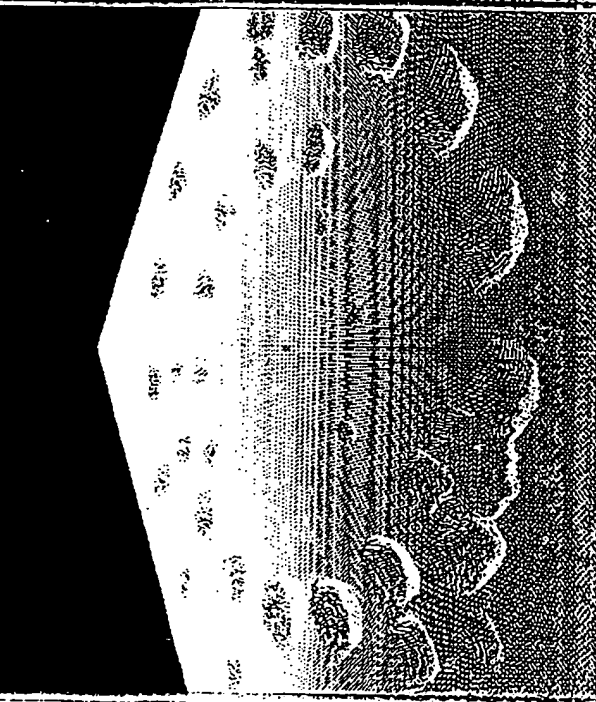
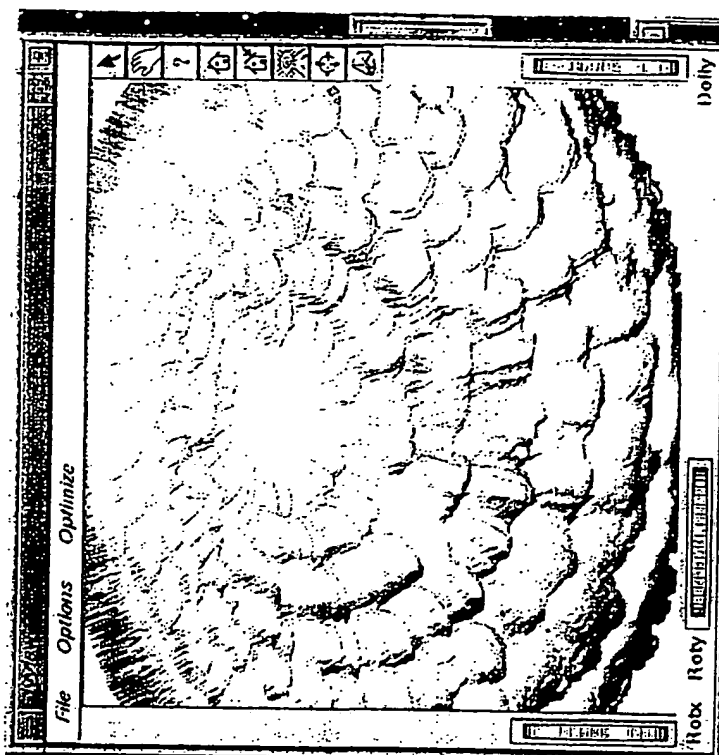
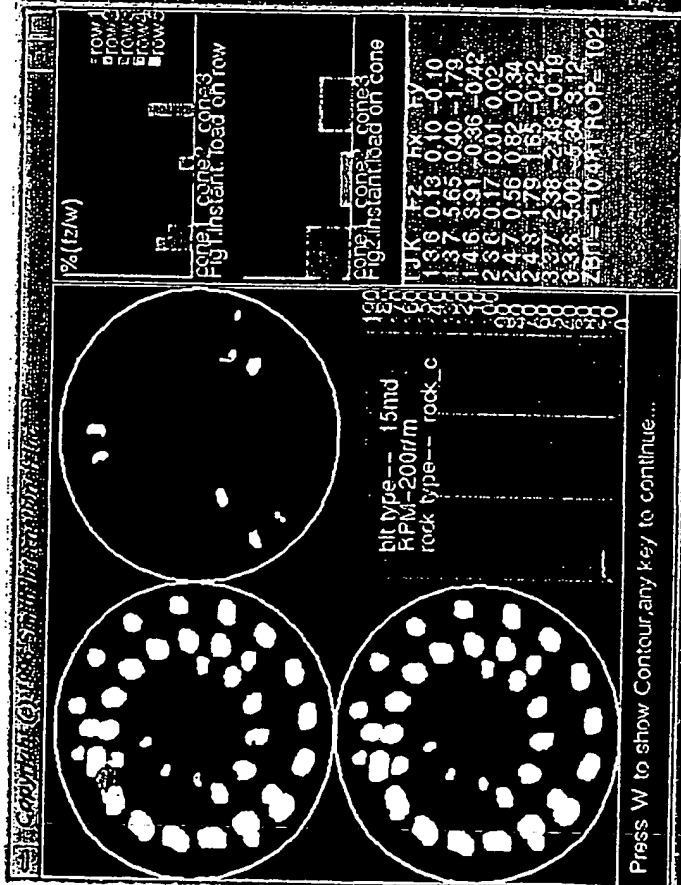
Rock Type

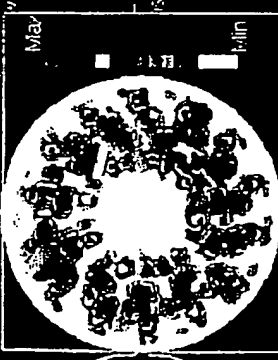
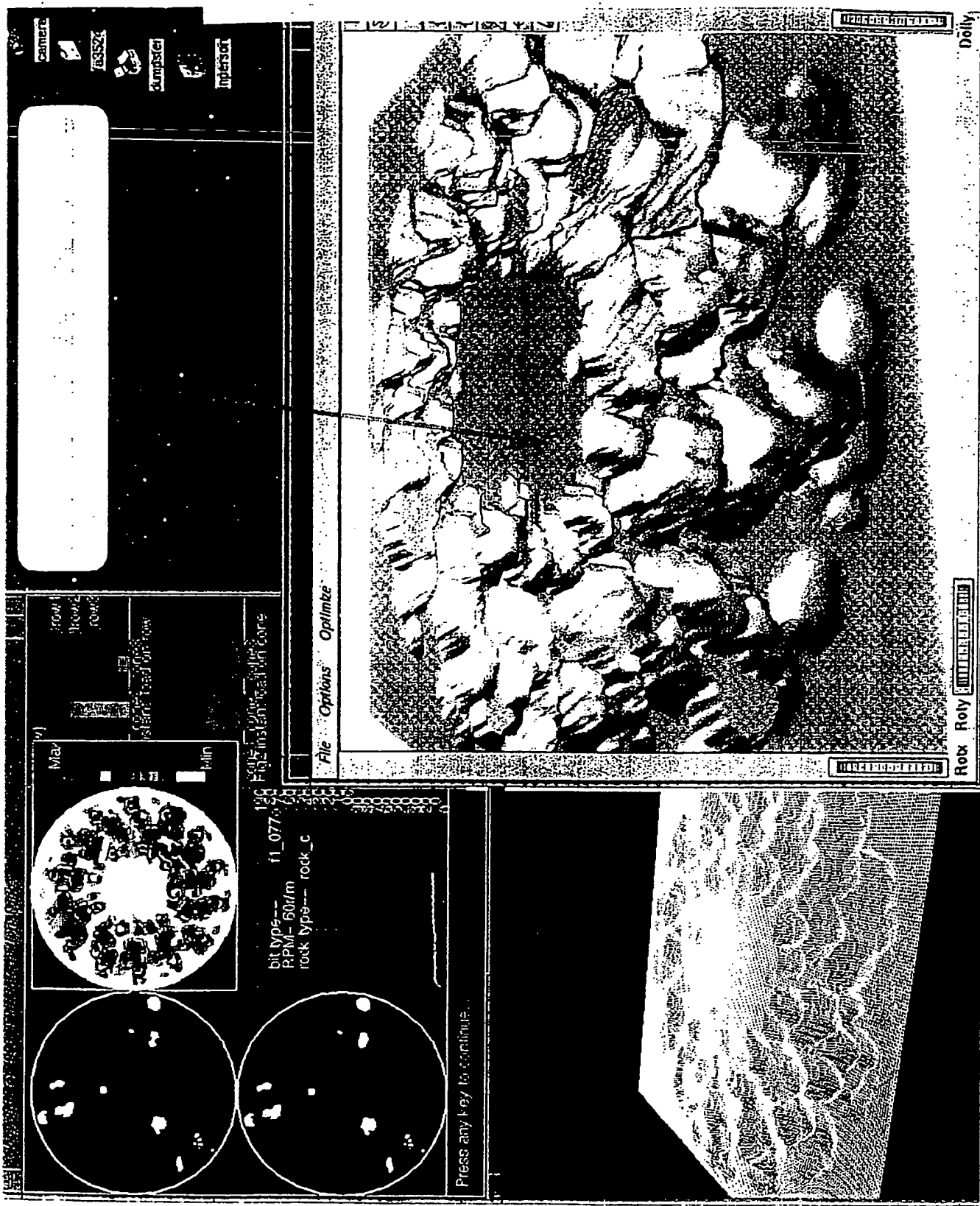
Press any key to continue...

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Rock Type III





bit type-- r1_077
RPM-- 60/rm
rock type-- rock_c

Press any key to continue...

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Rock Roly Dolly